

Puget Sound Air Pollution Control Agency

 Notice of
Construction No. 6708

 Date **DRAFT**

 HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

This Order of Approval No. 6708 supersedes Orders of Approval No. 3382, and No. 5730 which added the following equipment: a 120 ton/hour Clinker Pre-grind Crusher with a Baghouse at 20,000 cfm, and a Finish Mill High Efficiency Separator Project including two 60 ton/hour High Efficiency Separators with two Baghouses at 77,000 cfm each, two Baghouses at 10,000 cfm each, and one Baghouse at 5,000 cfm.

GERALD J BROWN

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INSTALLATION ADDRESS

ASH GROVE CEMENT COMPANY (E MARG.), 3801 E MARGINAL WY S, SEATTLE, WA, 98134

THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

- Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Air Pollution Control Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of PSAPCA.
- This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
- This source is subject to Subparts A and F of 40 CFR Part 60.
- PM-10 emissions from each baghouse except the main stack baghouse shall not exceed 0.005 grains/dscf over a twenty-four hour period. Ash Grove may demonstrate compliance with this condition by any of the following:
 - Performing a PSAPCA approved source test according to EPA Method 5 or EPA Method 201A;
 - Demonstrating no visible emissions for 15 consecutive seconds;
 - Demonstrating no visible emissions for three consecutive minutes; or
 - Repairing within 24 hours any baghouse that has visible emissions for more than three consecutive minutes.
 Compliance shall be determined for visible emissions using EPA Method 22. PSAPCA may require a source test for any baghouse that has sustained visible emissions, unless such emissions are unavoidable under WAC 173-400-107.
- Except during startup and shutdown of the kiln, scheduled maintenance and for emissions considered unavoidable under WAC 173-400-107, emissions from the main baghouse shall not exceed the most stringent of PSD limits or the following limits:
 - Carbon monoxide (CO) shall not exceed 1049 ppm (parts per million) corrected to 10% oxygen (O₂) for an 8-hour average, and CO shall not exceed 2353 tons per year;
 - Nitrogen oxides (NO_x) shall not exceed 700 ppm (parts per million) corrected to 10% oxygen (O₂) for a 1-hour average, and NO_x shall not exceed 501 ppm corrected to 10% O₂ for a 24-hour average, and NO_x shall not exceed 1846 tons per year;
 - Sulfur dioxide (SO₂) shall not exceed 180 ppm corrected to 10% oxygen (O₂) for a 1-hour average, and SO₂ shall not exceed 176 tons per year; and
 - Particulate matter (PM) shall not exceed 10.6 pounds per year and 46 tons per year.
- During startup and shutdown of the kiln, and during scheduled maintenance, the emissions from the main baghouse shall not exceed the most stringent of PSD limits or the following limits:
 - CO shall not exceed 1049 ppm corrected to 10% O₂ for an 8-hour average;
 - NO_x shall not exceed 1000 ppm corrected to 10% O₂ for a 1-hour average, and NO_x shall not exceed 501 ppm corrected to 10% O₂ for a 24-hour average; and
 - During the preheat period of startup, prior to the introduction of feed to the kiln, the main baghouse stack shall not exceed 212 pounds per hour SO₂ for a 1-hour average; and
 - During the feed introduction period to the kiln, SO₂ shall not exceed 200 ppm corrected to 10% O₂ for a 1-hour average.
- Ash Grove shall:
 - Submit for Control Officer approval, a report as a modification of the Operation and Maintenance Plan within 120 days of this Order (or at a time otherwise approved by the Control Officer), verifying the kiln stack SO₂ will comply with the limits of Condition No. 6(c) during the preheat period of startup. This report shall also define kiln startup, shutdown, preheat, feed introduction, scheduled maintenance, procedures for monitoring stack operating parameters and any calculation procedures for monitoring stack operating parameters and any calculation procedures for compliance verification of Condition No. 6(c)

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- (b) Install a continuous emission monitor that meets Article 12 of Regulation I to measure SO₂ emissions during kiln preheat period of startup within 240 days of this Order (or at a time otherwise approved by the Control Officer), if no approval is granted for the requirement of Condition 7(a); and
 - (c) Submit a Quality Assurance Quality Control plan meeting Article 12 of Regulation I for the continuous monitoring system that measures O₂, CO, NO_x, SO₂, the main stack flow rate, and any monitoring system used to verify Condition No. 6(c), within 120 days (or at a time otherwise approved by the Control Officer) of this Order.
- 8. Ash Grove shall perform all main stack source tests following Regulation I, Section 3.07, and all particulate source tests for compliance of the main stack shall be performed using PSAPCA Method 5 or EPA Method 201A/202.
 - 9. Ash Grove shall demonstrate compliance with emission limits of Conditions No. 5 and No. 6 and the opacity limits of Regulation I, Section 9.09(b) with a continuous monitoring system for the measurement of O₂, CO, NO_x, SO₂, the main stack flow rate and the approved monitoring system used to verify Condition 6(c) which all meet the requirements of Article 12 of Regulation I.
 - 10. This Order of Approval supersedes and cancels Order of Approval No. 5730 dated Dec 29, 1994.

DRAFT

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